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84077

# SEARCH REQUEST FORM

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Requester's Full Name: BENNETT CELSA Examiner #: 73815 Date: 1/13/03  
Art Unit: 1639 Phone Number 305-7556 Serial Number: 09710058  
Mail Box and Bldg/Room Location: CM1-3rd Results Format Preferred (circle): PAPER DISK E-MAIL

If more than one search is submitted, please prioritize searches in order of need.

\*\*\*\*\*

Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc. if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: Methods compositions comprising Renilla GFP

Inventors (please provide full names): DAVID ANDERSON see attached  
BRAD PEELE BIB + attached  
sheet claims  
Earliest Priority Filing Date: 11/10/99 1-9

\*For Sequence Searches Only\* Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.

Please

search

1. elected SEQ ID #1 (gene of r GFP) in relevant databases.  
(and if possible SEQ ID #3 down protein)

r GFP = GREEN FLUORESCENT protein  
Isolated from Renilla MULLER

2. search for Homology  $\geq 75\%$   
to SEQ ID #1

Point of Contact:  
Toby Port  
Technical Info. Specialist  
CM1 6A04  
703-308-3534

3. display 15 hits

NA 1-10/79

by [signature]

## STAFF USE ONLY

	Type of Search	Vendors and cost where applicable
Searcher: _____	NA: Sequence (#) <u>2</u>	STN _____
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Online Time: <u>12</u>	Other _____	Other (specify) _____



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**\*BIBDATASHEET\*****CONFIRMATION NO. 4112**

Bib Data Sheet

SERIAL NUMBER 09/710,058	FILING DATE 11/10/2000  RULE	CLASS 435	GROUP ART UNIT 1639	ATTORNEY DOCKET NO. A-68531-1/RMS/JJD/SPL
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## APPLICANTS

David Anderson, San Bruno, CA;

Beau Peele, San Francisco, CA;

## \*\* CONTINUING DATA \*\*\*\*\*

This appln claims benefit of 60/164,592 11/10/1999

## \*\* FOREIGN APPLICATIONS \*\*\*\*\*

IF REQUIRED, FOREIGN FILING LICENSE GRANTED\*\* SMALL ENTITY \*\*

\*\* 01/10/2001

Foreign Priority claimed <input type="checkbox"/> yes <input type="checkbox"/> no	STATE OR COUNTRY CA	SHEETS DRAWING 5	TOTAL CLAIMS 13	INDEPENDENT CLAIMS 8
35 USC 119 (a-d) conditions met <input type="checkbox"/> yes <input type="checkbox"/> no <input type="checkbox"/> Met after Allowance				
Verified and Acknowledged	Examiner's Signature	Initials		

## ADDRESS

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Four Embarcadero Center  
San Francisco , CA  
94111-4187

## TITLE

Methods and compositions comprising renilla GFP

FILING FEE  RECEIVED 755	FEES: Authority has been given in Paper No. _____ to charge/credit DEPOSIT ACCOUNT No. _____ for following:	<input type="checkbox"/> All Fees <input type="checkbox"/> 1.16 Fees ( Filing ) <input type="checkbox"/> 1.17 Fees ( Processing Ext. of time ) <input type="checkbox"/> 1.18 Fees ( Issue ) <input type="checkbox"/> ...
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09/710,058

69.8

CLAIMS

We claim:

1. A retroviral vector comprising a p- or rGFP gene. 435/320.1

2. A retroviral vector comprising a first gene, and IRES site, and a p- or rGFP gene. 435/320.1

3. A cell comprising a retroviral vector according to claim 1 or 2.

4. A library of fusion nucleic acids, each fusion nucleic acid comprising:

- a) a gene encoding a random peptide; and
- b) a gene encoding a p- or rGFP.

5. A library according to claim 4 wherein said fusion nucleic acid further comprises a fusion partner.

6. A library of cells comprising a library of fusion nucleic acids according to claim 4 or 5.

7. A library of retroviral vectors comprising a library of fusion nucleic acids, each fusion nucleic acid comprising:

- a) a gene encoding a random peptide; and
- b) a gene encoding a p- or rGFP.

8. A library of cells comprising a library of retroviral vectors according to claim 7.

9. A library of cells according to claim 6 or 8 wherein said cells are mammalian.

10. A method of screening for bioactive agents capable of inhibiting an IL-4 inducible  $\epsilon$  promoter, said method comprising

- a) combining a candidate bioactive agent and a cell comprising a fusion nucleic acid comprising:
  - i) an IL-4 inducible  $\epsilon$  promoter; and
  - ii) a Renilla green fluorescent protein (p- or rGFP);
- b) inducing said promoter with IL-4; and
- c) detecting the presence or absence of said p- or rGFP;

wherein the absence of said p- or rGFP indicates that said agent inhibits said IL-4 inducible  $\epsilon$  promoter.